

Moving Technology Forward

INDUSTRIAL business unit

Quality - Innovative - Honorable - Progress
Since 2004



ISO 9001 : 2015
ISO 45001 : 2018



ABOUT CEMAX GROUP

Introducing CEMAX Group, established in 2004 and headquartered in Malaysia. We are a dynamic conglomerate, comprising a diverse array of companies that extend our global influence across four key business sectors: Manufacturing, Mining, Services, and Trade. Our commitment to excellence drives us to deliver unparalleled value and innovation to our clients worldwide.



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THE INDUSTRIAL BUSINESS UNIT

Within the CEMAX Group, our esteemed Industrial Business Unit harnesses cutting-edge technology and engineering expertise to enhance safety, productivity, environmental sustainability, and cost-efficiency across diverse manufacturing sector. With a steadfast focus on excellence and innovation, we strive to provide tailored solutions that empower businesses to achieve optimal performance and success.

CUSTOMER SECTORS

Building Material
Dry Bulk Material
Energy
Manufacturing
Metal
Mining
Waste Generator

THE MEMBERS

CEMAX Engineering Sdn Bhd
CEMAX Silo Management Sdn Bhd
CEMAX Technology Sdn Bhd
CEMAX Energy Sdn Bhd
CEMAX Asia Technical Centre
CEMAX Refratechnik Malaysia

BUSINESS ACTIVITIES

Cement Engineering
Thermal Solution
Silo O&M Solution
Clean Technology
Green Solution



CLEAN TECHNOLOGY



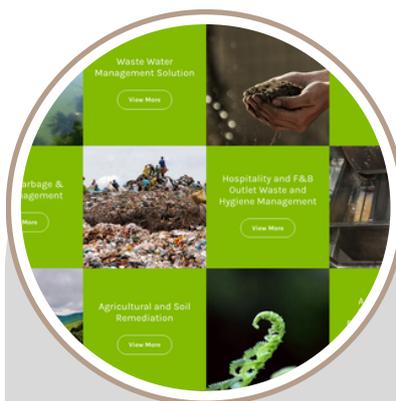
Our unwavering commitment lies in the realm of clean technology activities, catering to discerning clients in the region. With a steadfast dedication to sustainability and excellence, we endeavour to pave the way for a greener and more energy-efficient future.

ENERGY EFFICIENCY



- Coal Efficiency
- Combustion Fuel Saver
- AC Energy Saver
- Lighting Optimisation

BIOTECHNOLOGY



- Wastewater Treatment
- Hotel and F&B Hygiene
- Aquamarine Production
- Golf Grass Maintenance
- Soil Remediation
- Landfill Odor Control

WASTE-TO-RESOURCE



- Alternative Fuel
- Alternative Raw Material
- Mini Incinerator
- Waste-to-Energy
- SW Treatment
- Sustainable Wet Waste

CUSTOMER SECTORS

Agriculture and Aquamarine
 Commercial Transportation
 Food Manufacturing
 Food Service and Mall
 Hospitality, Golf, Hospital and Building
 Municipal, Landfill and Waste Generator

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SUSTAINABLE DEVELOPMENT GOALS



EMPOWERING TOMORROW, SUSTAINABLY TODAY



ISO 9001 : 2015
 ISO 45001 : 2018



SUMBU⁺

DMPS Oxygenated Fuel Additives



SUMBU DMPS Oxygenated Fuel Additives consist of DMPS that stands for 'Di-Methyl Poly Siloxane'. This is an ORGANIC and SILICON based innovative product invented and patented in Republic of Korea on 18th August 1989 under patent no. 28930.

SUMBU DMPS Benefits

- Protect engine 100%
- Reduced maintenance
- Organic & silicon based
- Blend with fuel molecules
- Increase oxygen
- Improve combustion efficiency by enhancing fuel quality
- No harmful side effects to engine



Miracles of SUMBU DMPS

7

1. Increase fuel efficiency, lead to saving up to 18%
2. Increase the life span of engine, avoiding unscheduled breakdown and leading to low maintenance cost.
3. Increase power of the engine.
4. Reduce the noise of the engine
5. Reduce more than 50% of Carbon Monoxide .
6. Reduce more than 30% of smoke (Hydro Carbon).
7. Reduce Carbon residue and non corrosive (will not form sludge inside engine)

Applications of SUMBU DMPS



Generators



Industrial Boilers



Ships & Boats



Buses & Trucks



Automobiles

18%
Lead to fuel saving

100%
Organic Silicon Base

50%
Reduce in Carbon Monoxide

30%
Reduction of Hydro Carbon



No more problem with JPJ Inspection



No more heavy smoke & summons



Less industrial emission



Less petrol/diesel consumption



Less maintenance / breakdown

CEMAX

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Use it, and You Will Believe It



TEST REPORT

REPORT NO. : 2004K1027-4-1 PAGE : 2 OF 3

This report refers only to samples submitted for the application of SIRIM 2004 Fuel International Test. It is not valid for SIRIM 2004 Fuel International Test. This test report shall not be reproduced, copied or full and shall not be used for advertising purposes for any brand or brand without written approval from Executive Director, SIRIM 2004 International Test.

Test Results

Sample : Engine Oil
 Model : B1 - Without DMPS
 Marking : AOKAM 5B

No.	For	Result
1.	Concarbon Carbon Residue, % wt	1.93

TEST REPORT

REPORT NO. : 2004K1027-4-1 PAGE : 3 OF 3

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Test Results

Sample : Engine Oil
 Model : B2 - With DMPS
 Marking : AOKAM 5B

No.	For	Result
1.	Concarbon Carbon Residue, % wt	1.93

SIRIM Carbon Residue Test



11. Fuel Consumption Test.

TEST SPEED	WITHOUT DMPS POWER	WITH DMPS POWER	PERCENTAGE DIFFERENCE
90 km/h	7.00 L/100km	6.10 L/100km	-12.9 %
110 km/h	8.90 L/100km	7.27 L/100km	-18.3 %

TABLE 3: Fuel consumption test.

12. Maximum Power Test.

	WITHOUT DMPS POWER	WITH DMPS POWER	PERCENTAGE DIFFERENCE
MAXIMUM POWER (kW)	54.5kW @ 5500 RPM	55.0kW @ 5500 RPM	+ 0.92 %

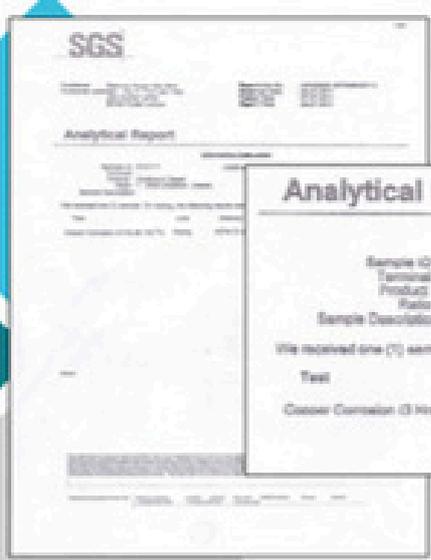
TABLE 4: Maximum power test.

13. Exhaust Emission Test.

	WITHOUT DMPS POWER	WITH DMPS POWER	PERCENTAGE DIFFERENCE
ENGINE SPEED (RPM)	800	800	-
CO (%)	1.52	0.72	-52.6 %
HC (ppm)	434	301	-30.6 %

TABLE 5: Exhaust emission test.

SIRIM Vehicle Performance Test



Analytical Report

Information for Label

Sample ID : 212111 Additive Name : Ultimate Power DMPS
 Terminal : Additive & Diesel Brand : T-1000 (Additive - Diesel)
 Sample Description :

We received one (1) sample. On testing, the following results were obtained :-

Test	Unit	Method	Specification Min. Max	Result
Corrosion Corrosion @ 100 (24 h @ 100 °C)	Rating	ASTM D153	Report	1 a

SGS Analytical Report

